

Claims:

1. A method for drilling, in particular impact drilling or rotary percussion drilling, a hole in soil or rock material and fixing an anchorage in said hole, wherein a drill hole is formed by means of a drill bit mounted on a drill rod assembly while simultaneously introducing a jacket tube surrounding the drill rod assembly in a spaced-apart manner, wherein the jacket tube, which is formed with a longitudinal slot, is at least partially introduced in substantial abutment on the drill hole during drilling.
2. A method according to claim 1, wherein an expandable element is introduced into the interior of the jacket tube, and expanded, upon completion of the drill hole and removal of the drill rod assembly.
3. A method according to claim 2, wherein the expandable element is expanded by exerting an impact stress.
4. A method according to claim 1, wherein the jacket tube is introduced into the drill hole by exerting a tensile stress via a connection with the drill bit and/or an impact stress.
5. A method according to claim 1, wherein at least one connection provided along the substantially longitudinally slotted jacket tube and defined by a predetermined breaking point is separated upon completion of the bore.
6. A method according to claim 5, wherein the separation or breaking of the predetermined breaking point is effected by a slight retraction of at least the impact shoe and jacket tube mounted thereon as well as an actuation of the impact shoe.

7. A method according to claim 1, wherein a curing mass is filled into the interior of the jacket tube in a manner known per se upon completion of the bore.

8. A device for drilling, in particular impact drilling or rotary percussion drilling, holes in soil or rock material and producing an anchorage, wherein a drill bit mounted on a drill rod assembly makes a drill hole and a jacket tube surrounding the drill rod assembly in a spaced-apart manner and following the drill bit is provided, wherein the jacket tube comprises a longitudinal slot substantially extending in the longitudinal direction of the jacket tube.

9. A device according to claim 8, wherein an expandable element is introducible into the interior of the jacket tube and expandable in abutment on the inner wall of the jacket tube upon completion of the drill hole and removal of the drill rod assembly.

10. A device according to claim 9, wherein the expandable element is comprised of a sleeve which is expandable by an impact stress caused by the introduction of an especially conical element.

11. A device according to claim 8, wherein the jacket tube on its inner wall is provided with elevations or projections aimed to position the expandable element.

12. A device according to claim 8, wherein the jacket tube comprises at least one predetermined breaking point along its longitudinal slot extending substantially in the longitudinal direction of the jacket tube.

13. A device according to claim 12, wherein the at least one predetermined breaking point provided along the longitudinal slot of the jacket tube is formed by a weld bridging the longitudinal slot.

14. A device according to claim 8, wherein the jacket tube, on its end facing the drill bit, is fixed to an impact shoe of the drill bit.

15. A device according to claim 8, wherein the jacket tube is made of a prestressed material, in particular metal.

16. A device according to claim 8, wherein at least upon completion of the drill hole an anchoring plate is fixable to the jacket tube on its end projecting out of the soil or rock material.

17. A device according to claim 8, wherein the jacket tube, in the region of its end following the drill bit, in a manner known per se comprises at least one passage opening aimed to introduce the excavated soil or rock material into the interior of the jacket tube.